

# 1083S

High Resolution Monitor



 **Commodore**

## Introduction

This colour monitor is suitable for use with personal computers that are designed with an RGB video signal output.



The drawings in the text are accompanied by figures, e.g. **1**. These correspond to the figures on the fold-out flap. This enables you to easily find the corresponding buttons on the monitor.

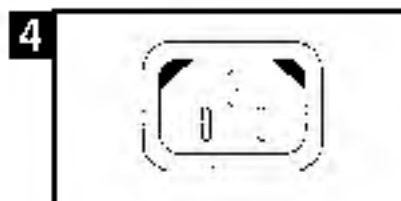
## Installation

### Positioning/Ventilation

**WARNING: WHEN POSITIONING THIS EQUIPMENT ENSURE THAT THE MAINS PLUG AND SOCKET ARE EASILY ACCESSIBLE.**

Do not place the monitor near a source of heat. To prevent overheating, ensure that the ventilation openings of the monitor are not covered.

### Connection to the Mains



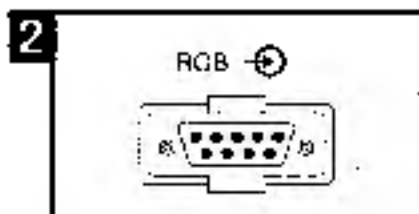
This monitor is set to operate at 220-240 volts AC, 50 Hz. Check the rating label on rear of monitor. If the mains voltage in your home is different from this, please consult your dealer.

Connect one end of the mains lead to the mains socket at the back of the monitor, and the other end to the mains supply.

# Connection to the Computer

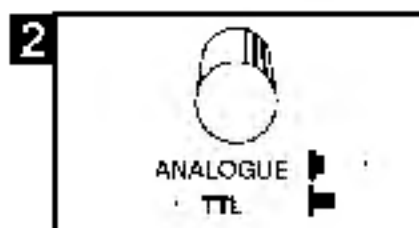
(on the rear)

**NOTE:** Please be sure to turn off the AC power to your computer before connecting or disconnecting any peripheral.



**RGB connector:** 9-pin D-shell

- To be connected to your computer with a 9-pin D-shell signal cable.



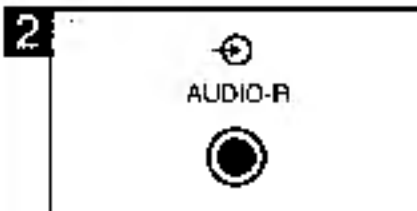
**ANALOGUE/TTL switch**

- Press the knob if the RGB input is analog type.
- Release the knob if it is TTL type.



**AUDIO-L connector**

- To be connected for single sound signal input.



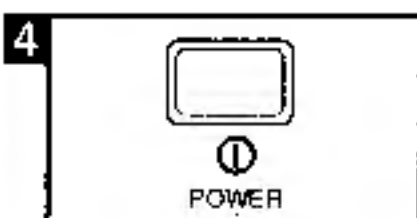
**AUDIO-R connector**

- To be connected for the second sound signal input for stereo sound reproduction.

## Adjustment

Switching on/off

(on the rear)



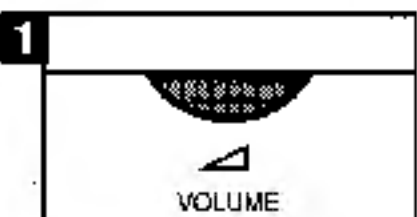
**Switching on** ①

- Press button ① LED lights up.

**Switching off** ①

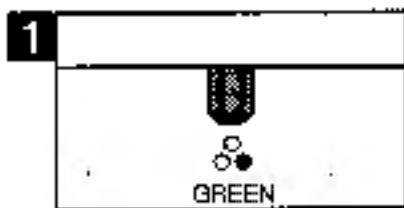
- Press button ① again.

If necessary, you can make the following adjustments to obtain an optimum picture quality.



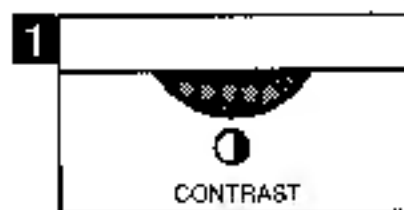
**VOLUME** ▲

- Adjust volume with knob ▲.



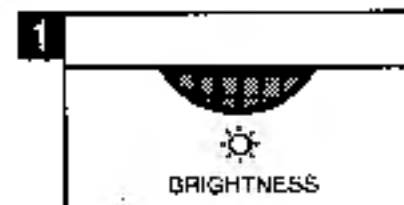
### Green switch

- Used to produce a screen that imitates a green monochrome monitor to improve the legibility in text processing.




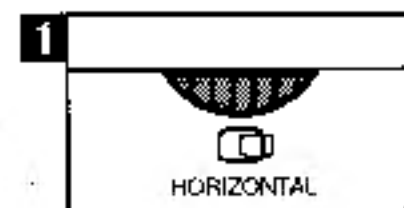
### CONTRAST

- Adjust contrast with knob 



### BRIGHTNESS

- Adjust brightness with knob 



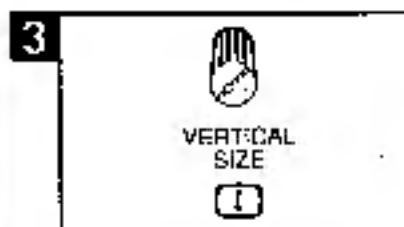
### HORIZONTAL

- Used to adjust the image horizontally.



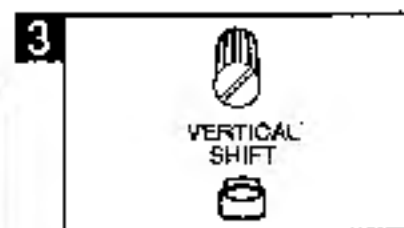
### HORIZON. SIZE

- Used to adjust the image width.



### VERTICAL SIZE

- Used to adjust the image height.



### VERTICAL SHIFT

- Used to center the image vertically.

*If the picture is not as desired, check whether all controls are in the correct positions.*

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## Headphones connection



On the left panel, a 3.5 mm jack-type socket is for headphones connection.

## Safety Precautions and Maintenance

- The rear panel should only be removed by a service technician.
- If necessary, clean with a slightly damp cloth. Do not use alcohol or ammonia based products.
- Never expose the monitor to rain or excessive moisture to reduce the risk of fire or shock.

## Technical Information

### I) General:

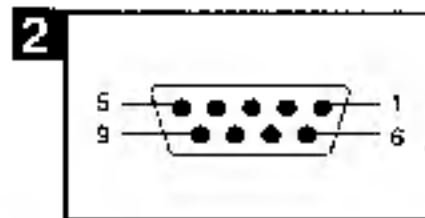
Picture tube	: 14", dark glass, 90° deflection, slotted triplet pitch 0.42 mm, 29.1 mm neck diameter.
Line frequency	: 15625 Hz
Raster frequency	: 50 Hz (47 - 62.5 Hz)
Mains Voltage*	: 220 - 240 VAC
Power consumption	: 75 Watt typical
Resolution	: 640 x 256 pixels 640 x 512 pixels
Audio output	: 1 watt 5% distortion
Character	: 2000 (80 x 25 rows), on RGB input
Dimension (H x W x D)	: 326 x 352 x 376 mm
Weight	: 11 kg

\* Check the rating label on rear of monitor.

### II) Input signal:

TTL RGB	: Low 0 - 0.8 V High 2.4 - 5 V
Analog RGB	: 0.7 Vpp/75 Ohm
Stereo audio input	: 177 mV/10 K Ohm

### III) 9-pin D-shell connector pin assignment:



Pin no.	TTL RGB	Analogue RGB
1	Ground	Ground
2	Ground	Ground
3	Red	Red
4	Green	Green
5	Blue	Blue
6	Intensity	—
7	Not used	Composite Sync.
8	H. Sync.	H. Sync.
9	V. Sync.	V. Sync.

\* In support of our policy of continuous product improvement, the above specifications are subject to change without notice.

